

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935344

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935344
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

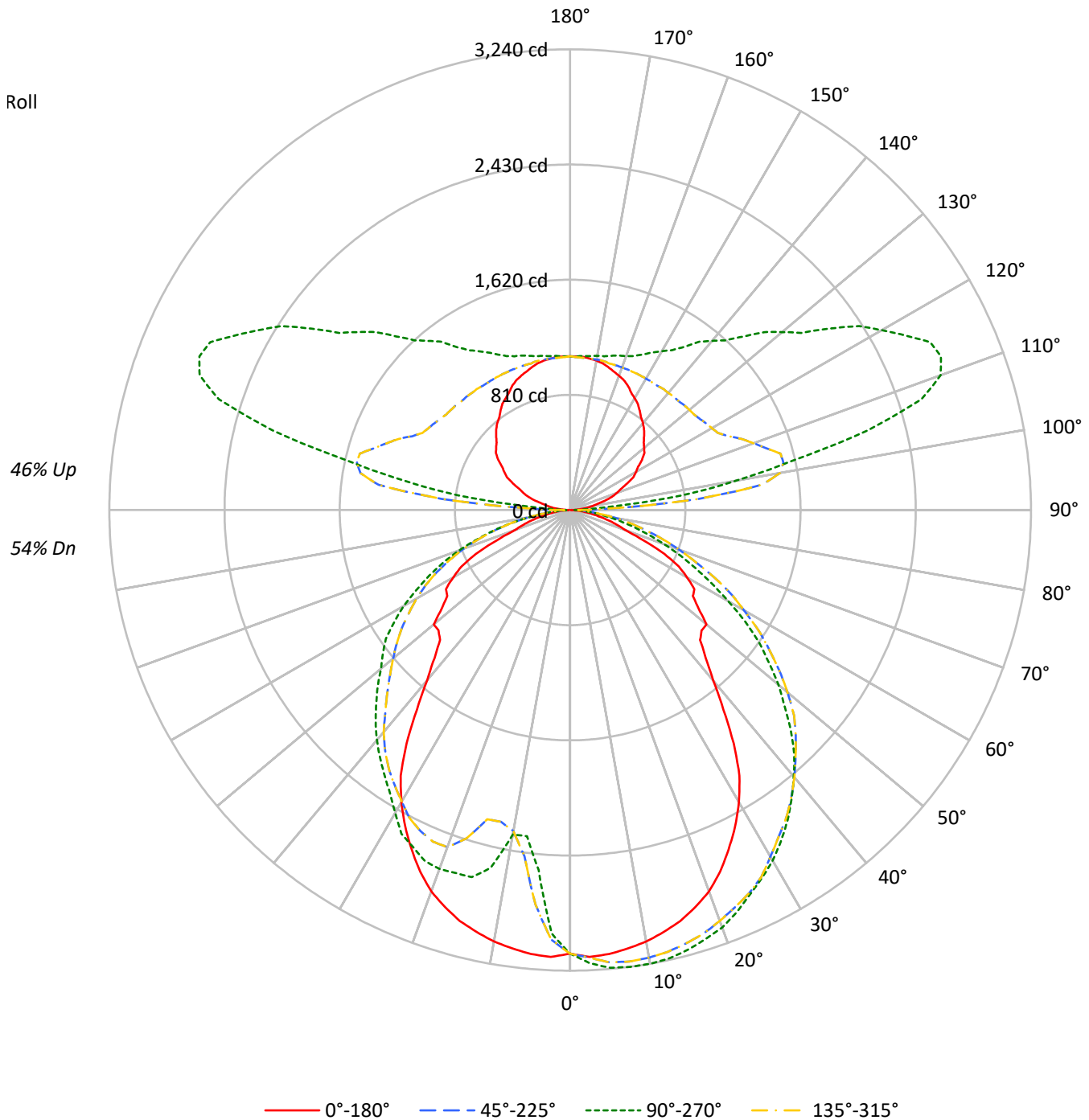
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15099.3 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 137.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14473	14473	14473	14473
5°	14581	14610	14581	11488
10°	14484	14391	14484	10289
15°	14326	14079	14326	11757
20°	14026	13710	14026	11781
25°	13414	13171	13414	11532
30°	12621	12724	12621	10984
35°	11251	12158	11251	10381
40°	9375	11493	9375	9926
45°	8377	10713	8377	9402
50°	8899	9783	8899	8877
55°	8373	8781	8373	8574
60°	8631	7458	8631	7853
65°	7825	6165	7825	6892
70°	5419	4913	5419	5777
75°	4751	3632	4751	4349
80°	3830	2401	3830	2615
85°	2199	1272	2199	1082

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12838 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.6	1.9
10°-20°	799.5	5.3
20°-30°	1235.9	8.2
30°-40°	1475.4	9.8
40°-50°	1484.0	9.8
50°-60°	1291.3	8.6
60°-70°	915.5	6.1
70°-80°	484.4	3.2
80°-90°	124.8	0.8
90°-100°	526.9	3.5
100°-110°	1385.2	9.2
110°-120°	1436.3	9.5
120°-130°	1152.1	7.6
130°-140°	904.0	6.0
140°-150°	693.8	4.6
150°-160°	499.7	3.3
160°-170°	305.7	2.0
170°-180°	103.3	0.7
0°-30°	2316.9	15.3
0°-40°	3792.3	25.1
0°-60°	6567.6	43.5
0°-90°	8092.3	53.6
90°-120°	3348.4	22.2
90°-150°	6098.3	40.4
90°-180°	7007.0	46.4
0°-180°	15099.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3119	3119	3119	3119	3119	
5°	3134	3232	3134	2541	3134	297
15°	2993	3202	2993	2674	2993	842
25°	2636	2987	2636	2615	2636	1210
35°	2004	2665	2004	2275	2004	1240
45°	1293	2196	1293	1927	1293	1035
55°	1054	1620	1054	1582	1054	968
65°	732	977	732	1092	732	699
75°	277	463	277	555	277	292
85°	47	118	47	100	47	64
90°	7	28	7	28	7	8
95°	70	318	70	318	70	77
105°	250	2169	250	2169	250	265
115°	443	2793	443	2793	443	438
125°	617	2224	617	2224	617	547
135°	735	1726	735	1726	735	569
145°	852	1400	852	1400	852	534
155°	963	1206	963	1206	963	443
165°	1040	1123	1040	1123	1040	293
175°	1081	1088	1081	1088	1081	103
180°	1081	1081	1081	1081	1081	



TEST NUMBER: P935344

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3145.9	3145.9	3163.7	3169.6	3169.6	3160.8	3151.9	3160.8	3187.3	3196.2	3193.2
5°	3134.2	3157.8	3190.2	3196.2	3202.0	3199.1	3193.2	3199.1	3228.6	3234.5	3237.5
7.5°	3110.5	3154.8	3196.2	3205.0	3213.9	3205.0	3202.0	3208.0	3237.5	3243.4	3243.4
10°	3081.1	3143.1	3190.2	3196.2	3205.0	3196.2	3196.2	3208.0	3237.5	3243.4	3246.3
12.5°	3039.7	3125.3	3169.6	3175.5	3187.3	3184.3	3181.4	3193.2	3222.7	3228.6	3228.6
15°	2992.6	3092.8	3134.2	3140.1	3160.8	3154.8	3154.8	3166.6	3199.1	3208.0	3205.0
17.5°	2927.6	3051.5	3098.8	3107.6	3122.4	3119.4	3122.4	3134.2	3163.7	3169.6	3172.5
20°	2853.8	2995.4	3051.5	3060.4	3075.1	3075.1	3075.1	3089.9	3119.4	3131.2	3131.2
22.5°	2753.4	2936.5	2995.4	3001.4	3019.1	3019.1	3025.0	3045.7	3072.2	3075.1	3075.1
25°	2635.5	2871.5	2921.7	2939.4	2957.1	2966.0	2974.9	2986.6	2995.4	2992.6	2995.4
27.5°	2511.5	2788.9	2853.8	2865.6	2889.2	2898.1	2909.9	2912.9	2915.8	2924.6	2918.7
30°	2372.8	2673.8	2771.1	2783.0	2821.4	2827.2	2815.4	2821.4	2836.1	2842.0	2847.9
32.5°	2216.4	2502.7	2685.6	2712.2	2747.6	2729.9	2726.9	2735.7	2759.4	2759.4	2765.3
35°	2003.8	2369.8	2605.9	2629.5	2656.0	2635.5	2647.2	2650.2	2664.9	2673.8	2670.9
37.5°	1770.8	2254.7	2523.3	2541.0	2561.7	2535.1	2552.8	2561.7	2573.5	2567.5	2567.5
40°	1564.2	2074.7	2425.9	2437.7	2455.4	2434.7	2452.4	2458.4	2464.3	2458.4	2455.4
42.5°	1410.7	1877.0	2322.6	2337.3	2325.5	2340.3	2346.2	2358.0	2349.2	2337.3	2337.3
45°	1292.6	1823.9	2210.4	2228.1	2210.4	2234.1	2243.0	2243.0	2216.4	2210.4	2207.5
47.5°	1254.2	1717.6	2098.3	2098.3	2089.5	2119.0	2133.7	2113.0	2086.5	2077.6	2077.6
50°	1251.3	1599.6	1944.8	1933.0	1974.4	2009.8	1995.0	1974.4	1953.7	1921.3	1921.3
52.5°	1136.2	1454.9	1747.1	1791.4	1856.3	1877.0	1853.3	1832.7	1797.3	1782.5	1770.8
55°	1053.6	1304.5	1567.1	1655.6	1723.5	1750.1	1705.8	1685.1	1632.0	1623.2	1617.3
57.5°	1035.9	1086.0	1401.8	1513.9	1596.6	1593.6	1567.1	1528.8	1484.5	1475.6	1472.7
60°	950.3	785.0	1224.8	1357.6	1443.1	1434.3	1410.7	1375.3	1334.0	1328.0	1322.2
62.5°	861.7	569.6	1024.0	1174.5	1295.6	1292.6	1271.9	1218.8	1189.4	1174.5	1162.8
65°	731.9	478.1	728.9	976.9	1151.0	1156.8	1112.6	1074.3	1041.7	1024.0	1021.2
67.5°	557.8	389.5	492.9	814.6	1012.3	1006.3	950.3	932.6	891.3	882.4	864.7
70°	413.2	259.7	342.4	661.1	876.5	861.7	817.4	796.9	758.5	737.8	726.0
72.5°	342.4	209.5	250.9	513.5	737.8	720.1	681.8	658.1	625.7	608.0	596.1
75°	277.4	221.3	191.8	380.7	599.1	587.3	551.9	528.3	501.7	478.1	481.0
77.5°	203.6	206.6	153.5	280.4	475.2	457.5	436.8	407.2	395.5	371.8	371.8
80°	153.5	162.3	115.1	191.8	342.4	342.4	324.7	304.0	283.3	271.6	271.6
82.5°	103.2	103.2	85.5	121.0	233.2	224.3	212.5	206.6	194.8	188.9	188.9
85°	47.2	59.0	53.1	73.8	126.9	132.8	132.8	126.9	123.9	118.1	121.0
87.5°	14.7	26.6	32.4	41.3	65.0	67.8	70.8	70.8	70.8	73.8	73.8
90°	7.2	13.1	18.8	20.3	31.9	47.4	55.1	49.0	36.7	27.6	27.6
92.5°	29.0	78.4	127.8	140.0	196.8	272.6	310.4	272.1	195.4	137.9	132.4
95°	69.7	159.9	250.2	272.8	484.3	766.4	907.5	809.9	614.4	467.9	451.4
97.5°	120.4	200.0	279.7	299.6	652.5	1122.8	1358.0	1296.3	1172.8	1080.2	1048.6
100°	159.6	231.8	304.1	322.1	713.6	1235.6	1496.6	1501.1	1510.1	1516.9	1479.2
102.5°	193.0	260.3	327.7	344.5	741.6	1271.0	1535.7	1614.4	1771.8	1889.8	1857.5
105°	249.6	306.6	363.6	377.9	762.4	1275.1	1531.4	1707.7	2060.4	2325.0	2307.7
107.5°	307.6	360.8	414.0	427.3	766.3	1218.3	1444.3	1690.4	2182.4	2551.3	2555.5
110°	346.7	394.8	442.8	454.9	760.5	1168.0	1371.8	1646.8	2196.8	2609.4	2627.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	385.2	431.0	476.8	488.3	760.8	1124.1	1305.8	1587.3	2150.2	2572.4	2600.1
115°	443.3	485.5	527.8	538.3	767.7	1073.7	1226.7	1497.9	2040.2	2446.9	2485.4
117.5°	500.5	538.9	577.3	586.9	782.0	1042.2	1172.3	1417.0	1906.4	2273.5	2316.1
120°	533.9	570.0	606.2	615.1	793.6	1031.6	1150.6	1374.2	1821.3	2156.7	2198.1
122.5°	566.6	603.0	639.5	648.5	810.3	1025.9	1133.8	1335.2	1737.9	2039.9	2080.8
125°	616.6	649.8	683.1	691.3	832.8	1021.4	1115.7	1286.8	1628.9	1885.4	1923.1
127.5°	657.3	690.7	724.3	732.7	855.3	1018.8	1100.5	1247.4	1541.1	1761.3	1793.1
130°	679.0	715.1	751.2	760.2	871.7	1020.4	1094.7	1225.4	1486.9	1683.0	1712.3
132.5°	701.5	737.6	773.7	782.7	885.0	1021.4	1089.6	1206.6	1440.7	1616.2	1642.5
135°	734.9	767.7	800.7	808.9	899.6	1020.5	1080.9	1178.9	1374.9	1522.0	1544.6
137.5°	769.0	801.5	834.1	842.2	921.3	1026.7	1079.4	1162.2	1328.0	1452.3	1470.9
140°	797.2	827.2	857.2	864.7	934.6	1027.8	1074.3	1145.9	1289.1	1396.5	1413.8
142.5°	819.0	846.7	874.5	881.4	945.7	1031.4	1074.3	1137.2	1263.0	1357.3	1372.2
145°	852.4	876.6	900.8	906.8	960.3	1031.5	1067.1	1118.6	1221.4	1298.5	1309.8
147.5°	885.7	909.3	932.8	938.7	981.6	1038.6	1067.1	1107.6	1188.5	1249.2	1258.5
150°	907.5	928.8	950.1	955.4	992.6	1042.3	1067.1	1101.3	1169.7	1220.9	1228.5
152.5°	930.0	946.2	962.3	966.3	999.9	1044.7	1067.1	1096.3	1154.7	1198.4	1204.2
155°	963.3	975.3	987.2	990.2	1015.8	1050.0	1067.1	1090.3	1136.8	1171.6	1175.3
157.5°	988.0	999.6	1011.3	1014.2	1031.8	1055.3	1067.1	1085.2	1121.3	1148.4	1151.0
160°	1004.8	1013.8	1022.8	1025.1	1039.1	1057.8	1067.1	1082.6	1113.6	1136.8	1138.4
162.5°	1021.4	1028.2	1035.0	1036.7	1046.8	1060.3	1067.1	1080.2	1106.3	1125.9	1127.4
165°	1039.6	1045.7	1051.8	1053.3	1058.0	1064.1	1067.1	1076.4	1095.2	1109.2	1110.8
167.5°	1056.2	1059.1	1062.1	1062.7	1066.6	1071.7	1074.3	1080.5	1092.7	1101.9	1102.5
170°	1067.1	1070.0	1073.0	1073.6	1073.9	1074.2	1074.3	1080.5	1092.7	1101.9	1101.9
172.5°	1073.0	1073.6	1074.2	1074.3	1074.3	1074.3	1074.3	1079.2	1088.9	1096.1	1095.6
175°	1080.9	1080.9	1080.9	1080.9	1078.7	1075.8	1074.3	1077.4	1083.5	1088.1	1088.1
177.5°	1080.9	1080.9	1080.9	1080.9	1079.2	1077.0	1075.8	1078.3	1083.1	1086.7	1086.1
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3199.1	3190.2	3199.1	3193.2	3196.2	3187.3	3160.8	3151.9	3160.8	3169.6	3169.6
5°	3237.5	3231.6	3237.5	3237.5	3234.5	3228.6	3199.1	3193.2	3199.1	3202.0	3196.2
7.5°	3249.3	3240.4	3249.3	3243.4	3243.4	3237.5	3208.0	3202.0	3205.0	3213.9	3205.0
10°	3249.3	3240.4	3249.3	3246.3	3243.4	3237.5	3208.0	3196.2	3196.2	3205.0	3196.2
12.5°	3234.5	3228.6	3234.5	3228.6	3228.6	3222.7	3193.2	3181.4	3184.3	3187.3	3175.5
15°	3210.9	3202.0	3210.9	3205.0	3208.0	3199.1	3166.6	3154.8	3154.8	3160.8	3140.1
17.5°	3175.5	3163.7	3175.5	3172.5	3169.6	3163.7	3134.2	3122.4	3119.4	3122.4	3107.6
20°	3134.2	3125.3	3134.2	3131.2	3131.2	3119.4	3089.9	3075.1	3075.1	3075.1	3060.4
22.5°	3069.2	3060.4	3069.2	3075.1	3075.1	3072.2	3045.7	3025.0	3019.1	3019.1	3001.4
25°	2995.4	2986.6	2995.4	2995.4	2992.6	2995.4	2986.6	2974.9	2966.0	2957.1	2939.4
27.5°	2924.6	2918.7	2924.6	2918.7	2924.6	2915.8	2912.9	2909.9	2898.1	2889.2	2865.6
30°	2853.8	2847.9	2853.8	2847.9	2842.0	2836.1	2821.4	2815.4	2827.2	2821.4	2783.0
32.5°	2765.3	2759.4	2765.3	2765.3	2759.4	2759.4	2735.7	2726.9	2729.9	2747.6	2712.2
35°	2673.8	2664.9	2673.8	2670.9	2673.8	2664.9	2650.2	2647.2	2635.5	2656.0	2629.5
37.5°	2567.5	2558.7	2567.5	2567.5	2567.5	2573.5	2561.7	2552.8	2535.1	2561.7	2541.0
40°	2458.4	2446.6	2458.4	2455.4	2458.4	2464.3	2458.4	2452.4	2434.7	2455.4	2437.7
42.5°	2334.4	2331.5	2334.4	2337.3	2337.3	2349.2	2358.0	2346.2	2340.3	2325.5	2337.3
45°	2201.6	2195.7	2201.6	2207.5	2210.4	2216.4	2243.0	2243.0	2234.1	2210.4	2228.1
47.5°	2059.9	2045.2	2059.9	2077.6	2077.6	2086.5	2113.0	2133.7	2119.0	2089.5	2098.3
50°	1909.4	1912.4	1909.4	1921.3	1921.3	1953.7	1974.4	1995.0	2009.8	1974.4	1933.0
52.5°	1761.9	1758.9	1761.9	1770.8	1782.5	1797.3	1832.7	1853.3	1877.0	1856.3	1791.4
55°	1614.3	1620.2	1614.3	1617.3	1623.2	1632.0	1685.1	1705.8	1750.1	1723.5	1655.6
57.5°	1466.8	1457.9	1466.8	1472.7	1475.6	1484.5	1528.8	1567.1	1593.6	1596.6	1513.9
60°	1295.6	1283.8	1295.6	1322.2	1328.0	1334.0	1375.3	1410.7	1434.3	1443.1	1357.6
62.5°	1145.1	1124.4	1145.1	1162.8	1174.5	1189.4	1218.8	1271.9	1292.6	1295.6	1174.5
65°	985.7	976.9	985.7	1021.2	1024.0	1041.7	1074.3	1112.6	1156.8	1151.0	976.9
67.5°	841.1	841.1	841.1	864.7	882.4	891.3	932.6	950.3	1006.3	1012.3	814.6
70°	708.3	705.3	708.3	726.0	737.8	758.5	796.9	817.4	861.7	876.5	661.1
72.5°	581.4	578.4	581.4	596.1	608.0	625.7	658.1	681.8	720.1	737.8	513.5
75°	469.2	463.3	469.2	481.0	478.1	501.7	528.3	551.9	587.3	599.1	380.7
77.5°	360.1	360.1	360.1	371.8	371.8	395.5	407.2	436.8	457.5	475.2	280.4
80°	268.6	265.6	268.6	271.6	271.6	283.3	304.0	324.7	342.4	342.4	191.8
82.5°	188.9	183.0	188.9	188.9	188.9	194.8	206.6	212.5	224.3	233.2	121.0
85°	118.1	118.1	118.1	121.0	118.1	123.9	126.9	132.8	132.8	126.9	73.8
87.5°	76.7	73.8	76.7	73.8	73.8	70.8	70.8	70.8	67.8	65.0	41.3
90°	27.6	27.6	27.6	27.6	27.6	36.7	49.0	55.1	47.4	31.9	20.3
92.5°	110.5	88.5	110.5	132.4	137.9	195.4	272.1	310.4	272.6	196.8	140.0
95°	384.9	318.5	384.9	451.4	467.9	614.4	809.9	907.5	766.4	484.3	272.8
97.5°	922.2	795.8	922.2	1048.6	1080.2	1172.8	1296.3	1358.0	1122.8	652.5	299.6
100°	1328.7	1178.1	1328.7	1479.2	1516.9	1510.1	1501.1	1496.6	1235.6	713.6	322.1
102.5°	1728.5	1599.6	1728.5	1857.5	1889.8	1771.8	1614.4	1535.7	1271.0	741.6	344.5
105°	2238.3	2169.0	2238.3	2307.7	2325.0	2060.4	1707.7	1531.4	1275.1	762.4	377.9
107.5°	2572.3	2589.1	2572.3	2555.5	2551.3	2182.4	1690.4	1444.3	1218.3	766.3	427.3
110°	2699.6	2771.8	2699.6	2627.4	2609.4	2196.8	1646.8	1371.8	1168.0	760.5	454.9



TEST NUMBER: P935344

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2711.0	2821.9	2711.0	2600.1	2572.4	2150.2	1587.3	1305.8	1124.1	760.8	488.3
115°	2639.1	2793.0	2639.1	2485.4	2446.9	2040.2	1497.9	1226.7	1073.7	767.7	538.3
117.5°	2486.7	2657.3	2486.7	2316.1	2273.5	1906.4	1417.0	1172.3	1042.2	782.0	586.9
120°	2363.9	2529.6	2363.9	2198.1	2156.7	1821.3	1374.2	1150.6	1031.6	793.6	615.1
122.5°	2244.3	2407.7	2244.3	2080.8	2039.9	1737.9	1335.2	1133.8	1025.9	810.3	648.5
125°	2073.6	2224.2	2073.6	1923.1	1885.4	1628.9	1286.8	1115.7	1021.4	832.8	691.3
127.5°	1920.1	2047.2	1920.1	1793.1	1761.3	1541.1	1247.4	1100.5	1018.8	855.3	732.7
130°	1829.7	1947.1	1829.7	1712.3	1683.0	1486.9	1225.4	1094.7	1020.4	871.7	760.2
132.5°	1747.6	1852.7	1747.6	1642.5	1616.2	1440.7	1206.6	1089.6	1021.4	885.0	782.7
135°	1635.2	1725.8	1635.2	1544.6	1522.0	1374.9	1178.9	1080.9	1020.5	899.6	808.9
137.5°	1545.0	1619.2	1545.0	1470.9	1452.3	1328.0	1162.2	1079.4	1026.7	921.3	842.2
140°	1483.1	1552.4	1483.1	1413.8	1396.5	1289.1	1145.9	1074.3	1027.8	934.6	864.7
142.5°	1431.9	1491.5	1431.9	1372.2	1357.3	1263.0	1137.2	1074.3	1031.4	945.7	881.4
145°	1355.0	1400.1	1355.0	1309.8	1298.5	1221.4	1118.6	1067.1	1031.5	960.3	906.8
147.5°	1295.9	1333.3	1295.9	1258.5	1249.2	1188.5	1107.6	1067.1	1038.6	981.6	938.7
150°	1258.8	1289.1	1258.8	1228.5	1220.9	1169.7	1101.3	1067.1	1042.3	992.6	955.4
152.5°	1227.0	1249.9	1227.0	1204.2	1198.4	1154.7	1096.3	1067.1	1044.7	999.9	966.3
155°	1190.5	1205.7	1190.5	1175.3	1171.6	1136.8	1090.3	1067.1	1050.0	1015.8	990.2
157.5°	1161.6	1172.3	1161.6	1151.0	1148.4	1121.3	1085.2	1067.1	1055.3	1031.8	1014.2
160°	1144.5	1150.6	1144.5	1138.4	1136.8	1113.6	1082.6	1067.1	1057.8	1039.1	1025.1
162.5°	1133.1	1139.0	1133.1	1127.4	1125.9	1106.3	1080.2	1067.1	1060.3	1046.8	1036.7
165°	1116.9	1123.0	1116.9	1110.8	1109.2	1095.2	1076.4	1067.1	1064.1	1058.0	1053.3
167.5°	1105.1	1107.7	1105.1	1102.5	1101.9	1092.7	1080.5	1074.3	1071.7	1066.6	1062.7
170°	1101.9	1101.9	1101.9	1101.9	1101.9	1092.7	1080.5	1074.3	1074.2	1073.9	1073.6
172.5°	1093.4	1091.1	1093.4	1095.6	1096.1	1088.9	1079.2	1074.3	1074.3	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8	1078.7	1080.9
177.5°	1083.5	1080.9	1083.5	1086.1	1086.7	1083.1	1078.3	1075.8	1077.0	1079.2	1080.9
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3163.7	3145.9	3145.9	3116.5	3104.7	3095.8	3081.1	3036.8	3025.0	3013.1	3030.9
5°	3190.2	3157.8	3134.2	3081.1	3036.8	3019.1	2963.0	2856.8	2786.0	2732.8	2703.3
7.5°	3196.2	3154.8	3110.5	3028.0	2921.7	2874.5	2703.3	2508.5	2455.4	2408.2	2378.6
10°	3190.2	3143.1	3081.1	2957.1	2706.3	2623.6	2452.4	2325.5	2293.1	2284.2	2293.1
12.5°	3169.6	3125.3	3039.7	2833.2	2482.0	2425.9	2325.5	2251.8	2245.8	2260.7	2340.3
15°	3134.2	3092.8	2992.6	2667.9	2358.0	2316.7	2245.8	2219.3	2251.8	2355.1	2594.1
17.5°	3098.8	3051.5	2927.6	2505.6	2263.5	2234.1	2183.9	2237.0	2420.0	2558.7	2638.3
20°	3051.5	2995.4	2853.8	2387.5	2195.7	2169.1	2145.6	2384.6	2523.3	2573.5	2617.8
22.5°	2995.4	2936.5	2753.4	2304.9	2124.9	2104.2	2119.0	2467.2	2523.3	2558.7	2597.1
25°	2921.7	2871.5	2635.5	2240.0	2068.8	2045.2	2101.3	2458.4	2490.8	2499.7	2576.4
27.5°	2853.8	2788.9	2511.5	2181.0	2000.9	1992.1	2116.0	2420.0	2443.6	2452.4	2535.1
30°	2771.1	2673.8	2372.8	2119.0	1930.1	1927.1	2119.0	2372.8	2366.9	2390.5	2473.1
32.5°	2685.6	2502.7	2216.4	2042.2	1862.2	1859.3	2098.3	2301.9	2296.1	2328.5	2390.5
35°	2605.9	2369.8	2003.8	1953.7	1776.6	1779.6	2048.1	2219.3	2222.3	2251.8	2290.1
37.5°	2523.3	2254.7	1770.8	1856.3	1694.0	1694.0	1980.2	2142.6	2136.7	2145.6	2198.7
40°	2425.9	2074.7	1564.2	1729.4	1617.3	1608.4	1897.6	2059.9	2039.3	2036.4	2110.1
42.5°	2322.6	1877.0	1410.7	1561.2	1528.8	1516.9	1797.3	1959.6	1921.3	1930.1	2024.5
45°	2210.4	1823.9	1292.6	1319.2	1437.2	1428.4	1688.1	1844.5	1817.9	1841.6	1939.0
47.5°	2098.3	1717.6	1254.2	1094.9	1339.9	1336.9	1567.1	1732.4	1717.6	1741.2	1844.5
50°	1944.8	1599.6	1251.3	938.5	1230.6	1242.5	1422.5	1623.2	1623.2	1643.8	1753.0
52.5°	1747.1	1454.9	1136.2	850.0	1103.7	1139.1	1295.6	1528.8	1534.6	1555.3	1652.7
55°	1567.1	1304.5	1053.6	782.0	953.2	1030.0	1171.7	1431.4	1443.1	1463.8	1552.3
57.5°	1401.8	1086.0	1035.9	702.4	814.6	888.3	1062.4	1336.9	1342.8	1360.5	1446.1
60°	1224.8	785.0	950.3	616.8	693.5	749.6	962.1	1224.8	1245.4	1257.2	1331.0
62.5°	1024.0	569.6	861.7	557.8	634.5	646.4	879.4	1118.5	1145.1	1154.0	1198.2
65°	728.9	478.1	731.9	507.6	572.5	575.5	790.9	1009.3	1032.9	1047.7	1080.1
67.5°	492.9	389.5	557.8	460.3	525.3	528.3	705.3	882.4	914.9	926.7	947.4
70°	342.4	259.7	413.2	410.2	472.2	478.1	613.8	767.3	796.9	805.7	817.4
72.5°	250.9	209.5	342.4	368.9	416.1	422.1	519.4	637.5	666.9	675.8	681.8
75°	191.8	221.3	277.4	321.7	354.1	357.1	424.9	519.4	540.1	546.0	548.9
77.5°	153.5	206.6	203.6	259.7	289.3	283.3	333.5	401.4	419.1	419.1	419.1
80°	115.1	162.3	153.5	185.9	212.5	206.6	239.0	286.3	292.1	298.1	295.1
82.5°	85.5	103.2	103.2	118.1	141.6	135.8	159.4	185.9	185.9	185.9	191.8
85°	53.1	59.0	47.2	62.0	79.7	76.7	88.5	100.4	103.2	103.2	97.4
87.5°	32.4	26.6	14.7	23.6	35.4	35.4	41.3	44.3	41.3	41.3	41.3
90°	18.8	13.1	7.2	13.1	18.8	20.3	31.9	47.4	55.1	49.0	36.7
92.5°	127.8	78.4	29.0	78.4	127.8	140.0	196.8	272.6	310.4	272.1	195.4
95°	250.2	159.9	69.7	159.9	250.2	272.8	484.3	766.4	907.5	809.9	614.4
97.5°	279.7	200.0	120.4	200.0	279.7	299.6	652.5	1122.8	1358.0	1296.3	1172.8
100°	304.1	231.8	159.6	231.8	304.1	322.1	713.6	1235.6	1496.6	1501.1	1510.1
102.5°	327.7	260.3	193.0	260.3	327.7	344.5	741.6	1271.0	1535.7	1614.4	1771.8
105°	363.6	306.6	249.6	306.6	363.6	377.9	762.4	1275.1	1531.4	1707.7	2060.4
107.5°	414.0	360.8	307.6	360.8	414.0	427.3	766.3	1218.3	1444.3	1690.4	2182.4
110°	442.8	394.8	346.7	394.8	442.8	454.9	760.5	1168.0	1371.8	1646.8	2196.8



TEST NUMBER: P935344

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	476.8	431.0	385.2	431.0	476.8	488.3	760.8	1124.1	1305.8	1587.3	2150.2
115°	527.8	485.5	443.3	485.5	527.8	538.3	767.7	1073.7	1226.7	1497.9	2040.2
117.5°	577.3	538.9	500.5	538.9	577.3	586.9	782.0	1042.2	1172.3	1417.0	1906.4
120°	606.2	570.0	533.9	570.0	606.2	615.1	793.6	1031.6	1150.6	1374.2	1821.3
122.5°	639.5	603.0	566.6	603.0	639.5	648.5	810.3	1025.9	1133.8	1335.2	1737.9
125°	683.1	649.8	616.6	649.8	683.1	691.3	832.8	1021.4	1115.7	1286.8	1628.9
127.5°	724.3	690.7	657.3	690.7	724.3	732.7	855.3	1018.8	1100.5	1247.4	1541.1
130°	751.2	715.1	679.0	715.1	751.2	760.2	871.7	1020.4	1094.7	1225.4	1486.9
132.5°	773.7	737.6	701.5	737.6	773.7	782.7	885.0	1021.4	1089.6	1206.6	1440.7
135°	800.7	767.7	734.9	767.7	800.7	808.9	899.6	1020.5	1080.9	1178.9	1374.9
137.5°	834.1	801.5	769.0	801.5	834.1	842.2	921.3	1026.7	1079.4	1162.2	1328.0
140°	857.2	827.2	797.2	827.2	857.2	864.7	934.6	1027.8	1074.3	1145.9	1289.1
142.5°	874.5	846.7	819.0	846.7	874.5	881.4	945.7	1031.4	1074.3	1137.2	1263.0
145°	900.8	876.6	852.4	876.6	900.8	906.8	960.3	1031.5	1067.1	1118.6	1221.4
147.5°	932.8	909.3	885.7	909.3	932.8	938.7	981.6	1038.6	1067.1	1107.6	1188.5
150°	950.1	928.8	907.5	928.8	950.1	955.4	992.6	1042.3	1067.1	1101.3	1169.7
152.5°	962.3	946.2	930.0	946.2	962.3	966.3	999.9	1044.7	1067.1	1096.3	1154.7
155°	987.2	975.3	963.3	975.3	987.2	990.2	1015.8	1050.0	1067.1	1090.3	1136.8
157.5°	1011.3	999.6	988.0	999.6	1011.3	1014.2	1031.8	1055.3	1067.1	1085.2	1121.3
160°	1022.8	1013.8	1004.8	1013.8	1022.8	1025.1	1039.1	1057.8	1067.1	1082.6	1113.6
162.5°	1035.0	1028.2	1021.4	1028.2	1035.0	1036.7	1046.8	1060.3	1067.1	1080.2	1106.3
165°	1051.8	1045.7	1039.6	1045.7	1051.8	1053.3	1058.0	1064.1	1067.1	1076.4	1095.2
167.5°	1062.1	1059.1	1056.2	1059.1	1062.1	1062.7	1066.6	1071.7	1074.3	1080.5	1092.7
170°	1073.0	1070.0	1067.1	1070.0	1073.0	1073.6	1073.9	1074.2	1074.3	1080.5	1092.7
172.5°	1074.2	1073.6	1073.0	1073.6	1074.2	1074.3	1074.3	1074.3	1074.3	1079.2	1088.9
175°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1078.7	1075.8	1074.3	1077.4	1083.5
177.5°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1079.2	1077.0	1075.8	1078.3	1083.1
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



TEST NUMBER: P935344

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3010.3	3001.4	3013.1	2980.7	3013.1	3001.4	3010.3	3030.9	3013.1	3025.0	3036.8
5°	2641.3	2626.6	2579.4	2541.0	2579.4	2626.6	2641.3	2703.3	2732.8	2786.0	2856.8
7.5°	2360.9	2349.2	2337.3	2313.8	2337.3	2349.2	2360.9	2378.6	2408.2	2455.4	2508.5
10°	2299.0	2301.9	2319.6	2316.7	2319.6	2301.9	2299.0	2293.1	2284.2	2293.1	2325.5
12.5°	2458.4	2484.9	2582.3	2576.4	2582.3	2484.9	2458.4	2340.3	2260.7	2245.8	2251.8
15°	2641.3	2650.2	2670.9	2673.8	2670.9	2650.2	2641.3	2594.1	2355.1	2251.8	2219.3
17.5°	2659.0	2662.0	2676.7	2676.7	2676.7	2662.0	2659.0	2638.3	2558.7	2420.0	2237.0
20°	2644.3	2650.2	2679.7	2685.6	2679.7	2650.2	2644.3	2617.8	2573.5	2523.3	2384.6
22.5°	2638.3	2650.2	2673.8	2670.9	2673.8	2650.2	2638.3	2597.1	2558.7	2523.3	2467.2
25°	2608.9	2608.9	2611.8	2614.8	2611.8	2608.9	2608.9	2576.4	2499.7	2490.8	2458.4
27.5°	2546.9	2552.8	2570.5	2567.5	2570.5	2552.8	2546.9	2535.1	2452.4	2443.6	2420.0
30°	2490.8	2484.9	2470.1	2458.4	2470.1	2484.9	2490.8	2473.1	2390.5	2366.9	2372.8
32.5°	2396.3	2381.6	2366.9	2358.0	2366.9	2381.6	2396.3	2390.5	2328.5	2296.1	2301.9
35°	2284.2	2287.2	2284.2	2275.4	2284.2	2287.2	2284.2	2290.1	2251.8	2222.3	2219.3
37.5°	2204.6	2210.4	2207.5	2195.7	2207.5	2210.4	2204.6	2198.7	2145.6	2136.7	2142.6
40°	2121.9	2124.9	2121.9	2113.0	2121.9	2124.9	2121.9	2110.1	2036.4	2039.3	2059.9
42.5°	2042.2	2039.3	2030.4	2024.5	2030.4	2039.3	2042.2	2024.5	1930.1	1921.3	1959.6
45°	1950.7	1953.7	1936.0	1927.1	1936.0	1953.7	1950.7	1939.0	1841.6	1817.9	1844.5
47.5°	1859.3	1859.3	1844.5	1835.6	1844.5	1859.3	1859.3	1844.5	1741.2	1717.6	1732.4
50°	1761.9	1758.9	1738.2	1735.3	1738.2	1758.9	1761.9	1753.0	1643.8	1623.2	1623.2
52.5°	1649.7	1649.7	1652.7	1658.6	1652.7	1649.7	1649.7	1652.7	1555.3	1534.6	1528.8
55°	1552.3	1555.3	1575.9	1581.9	1575.9	1555.3	1552.3	1552.3	1463.8	1443.1	1431.4
57.5°	1452.0	1452.0	1466.8	1466.8	1466.8	1452.0	1452.0	1446.1	1360.5	1342.8	1336.9
60°	1336.9	1342.8	1354.6	1351.7	1354.6	1342.8	1336.9	1331.0	1257.2	1245.4	1224.8
62.5°	1215.9	1221.8	1224.8	1218.8	1224.8	1221.8	1215.9	1198.2	1154.0	1145.1	1118.5
65°	1089.0	1094.9	1097.9	1092.0	1097.9	1094.9	1089.0	1080.1	1047.7	1032.9	1009.3
67.5°	959.2	956.2	953.2	965.1	953.2	956.2	959.2	947.4	926.7	914.9	882.4
70°	826.3	826.3	823.4	829.3	823.4	826.3	826.3	817.4	805.7	796.9	767.3
72.5°	684.7	681.8	693.5	684.7	693.5	681.8	684.7	681.8	675.8	666.9	637.5
75°	546.0	551.9	546.0	554.8	546.0	551.9	546.0	548.9	546.0	540.1	519.4
77.5°	416.1	422.1	416.1	416.1	416.1	422.1	416.1	419.1	419.1	419.1	401.4
80°	295.1	292.1	292.1	289.3	292.1	292.1	295.1	295.1	298.1	292.1	286.3
82.5°	188.9	185.9	185.9	191.8	185.9	185.9	188.9	191.8	185.9	185.9	185.9
85°	103.2	106.2	100.4	100.4	100.4	106.2	103.2	97.4	103.2	103.2	100.4
87.5°	38.4	35.4	35.4	35.4	35.4	35.4	38.4	41.3	41.3	41.3	44.3
90°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	36.7	49.0	55.1	47.4
92.5°	137.9	132.4	110.5	88.5	110.5	132.4	137.9	195.4	272.1	310.4	272.6
95°	467.9	451.4	384.9	318.5	384.9	451.4	467.9	614.4	809.9	907.5	766.4
97.5°	1080.2	1048.6	922.2	795.8	922.2	1048.6	1080.2	1172.8	1296.3	1358.0	1122.8
100°	1516.9	1479.2	1328.7	1178.1	1328.7	1479.2	1516.9	1510.1	1501.1	1496.6	1235.6
102.5°	1889.8	1857.5	1728.5	1599.6	1728.5	1857.5	1889.8	1771.8	1614.4	1535.7	1271.0
105°	2325.0	2307.7	2238.3	2169.0	2238.3	2307.7	2325.0	2060.4	1707.7	1531.4	1275.1
107.5°	2551.3	2555.5	2572.3	2589.1	2572.3	2555.5	2551.3	2182.4	1690.4	1444.3	1218.3
110°	2609.4	2627.4	2699.6	2771.8	2699.6	2627.4	2609.4	2196.8	1646.8	1371.8	1168.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2572.4	2600.1	2711.0	2821.9	2711.0	2600.1	2572.4	2150.2	1587.3	1305.8	1124.1
115°	2446.9	2485.4	2639.1	2793.0	2639.1	2485.4	2446.9	2040.2	1497.9	1226.7	1073.7
117.5°	2273.5	2316.1	2486.7	2657.3	2486.7	2316.1	2273.5	1906.4	1417.0	1172.3	1042.2
120°	2156.7	2198.1	2363.9	2529.6	2363.9	2198.1	2156.7	1821.3	1374.2	1150.6	1031.6
122.5°	2039.9	2080.8	2244.3	2407.7	2244.3	2080.8	2039.9	1737.9	1335.2	1133.8	1025.9
125°	1885.4	1923.1	2073.6	2224.2	2073.6	1923.1	1885.4	1628.9	1286.8	1115.7	1021.4
127.5°	1761.3	1793.1	1920.1	2047.2	1920.1	1793.1	1761.3	1541.1	1247.4	1100.5	1018.8
130°	1683.0	1712.3	1829.7	1947.1	1829.7	1712.3	1683.0	1486.9	1225.4	1094.7	1020.4
132.5°	1616.2	1642.5	1747.6	1852.7	1747.6	1642.5	1616.2	1440.7	1206.6	1089.6	1021.4
135°	1522.0	1544.6	1635.2	1725.8	1635.2	1544.6	1522.0	1374.9	1178.9	1080.9	1020.5
137.5°	1452.3	1470.9	1545.0	1619.2	1545.0	1470.9	1452.3	1328.0	1162.2	1079.4	1026.7
140°	1396.5	1413.8	1483.1	1552.4	1483.1	1413.8	1396.5	1289.1	1145.9	1074.3	1027.8
142.5°	1357.3	1372.2	1431.9	1491.5	1431.9	1372.2	1357.3	1263.0	1137.2	1074.3	1031.4
145°	1298.5	1309.8	1355.0	1400.1	1355.0	1309.8	1298.5	1221.4	1118.6	1067.1	1031.5
147.5°	1249.2	1258.5	1295.9	1333.3	1295.9	1258.5	1249.2	1188.5	1107.6	1067.1	1038.6
150°	1220.9	1228.5	1258.8	1289.1	1258.8	1228.5	1220.9	1169.7	1101.3	1067.1	1042.3
152.5°	1198.4	1204.2	1227.0	1249.9	1227.0	1204.2	1198.4	1154.7	1096.3	1067.1	1044.7
155°	1171.6	1175.3	1190.5	1205.7	1190.5	1175.3	1171.6	1136.8	1090.3	1067.1	1050.0
157.5°	1148.4	1151.0	1161.6	1172.3	1161.6	1151.0	1148.4	1121.3	1085.2	1067.1	1055.3
160°	1136.8	1138.4	1144.5	1150.6	1144.5	1138.4	1136.8	1113.6	1082.6	1067.1	1057.8
162.5°	1125.9	1127.4	1133.1	1139.0	1133.1	1127.4	1125.9	1106.3	1080.2	1067.1	1060.3
165°	1109.2	1110.8	1116.9	1123.0	1116.9	1110.8	1109.2	1095.2	1076.4	1067.1	1064.1
167.5°	1101.9	1102.5	1105.1	1107.7	1105.1	1102.5	1101.9	1092.7	1080.5	1074.3	1071.7
170°	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1092.7	1080.5	1074.3	1074.2
172.5°	1096.1	1095.6	1093.4	1091.1	1093.4	1095.6	1096.1	1088.9	1079.2	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8
177.5°	1086.7	1086.1	1083.5	1080.9	1083.5	1086.1	1086.7	1083.1	1078.3	1075.8	1077.0
180°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3081.1	3095.8	3104.7	3116.5	3145.9
5°	2963.0	3019.1	3036.8	3081.1	3134.2
7.5°	2703.3	2874.5	2921.7	3028.0	3110.5
10°	2452.4	2623.6	2706.3	2957.1	3081.1
12.5°	2325.5	2425.9	2482.0	2833.2	3039.7
15°	2245.8	2316.7	2358.0	2667.9	2992.6
17.5°	2183.9	2234.1	2263.5	2505.6	2927.6
20°	2145.6	2169.1	2195.7	2387.5	2853.8
22.5°	2119.0	2104.2	2124.9	2304.9	2753.4
25°	2101.3	2045.2	2068.8	2240.0	2635.5
27.5°	2116.0	1992.1	2000.9	2181.0	2511.5
30°	2119.0	1927.1	1930.1	2119.0	2372.8
32.5°	2098.3	1859.3	1862.2	2042.2	2216.4
35°	2048.1	1779.6	1776.6	1953.7	2003.8
37.5°	1980.2	1694.0	1694.0	1856.3	1770.8
40°	1897.6	1608.4	1617.3	1729.4	1564.2
42.5°	1797.3	1516.9	1528.8	1561.2	1410.7
45°	1688.1	1428.4	1437.2	1319.2	1292.6
47.5°	1567.1	1336.9	1339.9	1094.9	1254.2
50°	1422.5	1242.5	1230.6	938.5	1251.3
52.5°	1295.6	1139.1	1103.7	850.0	1136.2
55°	1171.7	1030.0	953.2	782.0	1053.6
57.5°	1062.4	888.3	814.6	702.4	1035.9
60°	962.1	749.6	693.5	616.8	950.3
62.5°	879.4	646.4	634.5	557.8	861.7
65°	790.9	575.5	572.5	507.6	731.9
67.5°	705.3	528.3	525.3	460.3	557.8
70°	613.8	478.1	472.2	410.2	413.2
72.5°	519.4	422.1	416.1	368.9	342.4
75°	424.9	357.1	354.1	321.7	277.4
77.5°	333.5	283.3	289.3	259.7	203.6
80°	239.0	206.6	212.5	185.9	153.5
82.5°	159.4	135.8	141.6	118.1	103.2
85°	88.5	76.7	79.7	62.0	47.2
87.5°	41.3	35.4	35.4	23.6	14.7
90°	31.9	20.3	18.8	13.1	7.2
92.5°	196.8	140.0	127.8	78.4	29.0
95°	484.3	272.8	250.2	159.9	69.7
97.5°	652.5	299.6	279.7	200.0	120.4
100°	713.6	322.1	304.1	231.8	159.6
102.5°	741.6	344.5	327.7	260.3	193.0
105°	762.4	377.9	363.6	306.6	249.6
107.5°	766.3	427.3	414.0	360.8	307.6
110°	760.5	454.9	442.8	394.8	346.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	760.8	488.3	476.8	431.0	385.2
115°	767.7	538.3	527.8	485.5	443.3
117.5°	782.0	586.9	577.3	538.9	500.5
120°	793.6	615.1	606.2	570.0	533.9
122.5°	810.3	648.5	639.5	603.0	566.6
125°	832.8	691.3	683.1	649.8	616.6
127.5°	855.3	732.7	724.3	690.7	657.3
130°	871.7	760.2	751.2	715.1	679.0
132.5°	885.0	782.7	773.7	737.6	701.5
135°	899.6	808.9	800.7	767.7	734.9
137.5°	921.3	842.2	834.1	801.5	769.0
140°	934.6	864.7	857.2	827.2	797.2
142.5°	945.7	881.4	874.5	846.7	819.0
145°	960.3	906.8	900.8	876.6	852.4
147.5°	981.6	938.7	932.8	909.3	885.7
150°	992.6	955.4	950.1	928.8	907.5
152.5°	999.9	966.3	962.3	946.2	930.0
155°	1015.8	990.2	987.2	975.3	963.3
157.5°	1031.8	1014.2	1011.3	999.6	988.0
160°	1039.1	1025.1	1022.8	1013.8	1004.8
162.5°	1046.8	1036.7	1035.0	1028.2	1021.4
165°	1058.0	1053.3	1051.8	1045.7	1039.6
167.5°	1066.6	1062.7	1062.1	1059.1	1056.2
170°	1073.9	1073.6	1073.0	1070.0	1067.1
172.5°	1074.3	1074.3	1074.2	1073.6	1073.0
175°	1078.7	1080.9	1080.9	1080.9	1080.9
177.5°	1079.2	1080.9	1080.9	1080.9	1080.9
180°	1080.9	1080.9	1080.9	1080.9	1080.9



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.42	15.31	15.34	16.26	17.48	17.26	18.15	18.18	19.09	20.31
	3H	14.90	15.70	15.83	16.65	17.89	18.61	19.41	19.54	20.36	21.60
	4H	15.09	15.85	16.04	16.81	18.06	19.05	19.81	20.01	20.77	22.02
	6H	15.21	15.91	16.17	16.87	18.14	19.34	20.04	20.31	21.00	22.27
	8H	15.21	15.88	16.18	16.86	18.12	19.42	20.08	20.39	21.06	22.33
	12H	15.19	15.82	16.16	16.79	18.08	19.46	20.09	20.44	21.07	22.35
4H	2H	15.46	16.21	16.41	17.17	18.42	17.67	18.43	18.63	19.38	20.64
	3H	16.49	17.12	17.45	18.11	19.37	19.18	19.81	20.15	20.80	22.07
	4H	16.76	17.34	17.74	18.32	19.61	19.71	20.29	20.69	21.27	22.56
	6H	16.89	17.39	17.88	18.39	19.68	20.08	20.58	21.07	21.58	22.87
	8H	16.90	17.36	17.89	18.36	19.66	20.19	20.65	21.18	21.65	22.95
	12H	16.87	17.29	17.88	18.30	19.61	20.25	20.67	21.26	21.68	22.99
8H	4H	17.22	17.69	18.21	18.68	19.99	19.84	20.30	20.83	21.30	22.60
	6H	17.48	17.87	18.50	18.91	20.21	20.28	20.66	21.29	21.70	23.00
	8H	17.53	17.87	18.55	18.89	20.21	20.43	20.77	21.46	21.80	23.12
	12H	17.51	17.81	18.54	18.83	20.20	20.53	20.83	21.56	21.85	23.22
12H	4H	17.23	17.65	18.24	18.66	19.97	19.80	20.22	20.81	21.24	22.55
	6H	17.55	17.89	18.57	18.91	20.23	20.28	20.61	21.30	21.64	22.96
	8H	17.61	17.91	18.64	18.93	20.30	20.44	20.74	21.47	21.76	23.12